

236518US

## Substitute Declaration, Power of Attorney and Petition

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### SYSTEM AND METHOD FOR USING FIRST-PRINCIPLES SIMULATION TO FACILITATE A SEMICONDUCTOR MANUFACTURING PROCESS

the specification of which

- is attached hereto.
- was filed on September 30, 2003 as  
Application Serial No. 10/673,138  
and amended on \_\_\_\_\_.
- was filed as PCT international application  
Number \_\_\_\_\_  
on \_\_\_\_\_,  
and was amended under PCT Article 19  
on \_\_\_\_\_ (if applicable).

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

We (I) hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Day/Month/Year	Priority Claimed
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

We (I) hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

(Application Number)	(Filing Date)
(Application Number)	(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or under §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status (pending, patented, abandoned)

And we (I) hereby appoint the following registered practitioner(s):

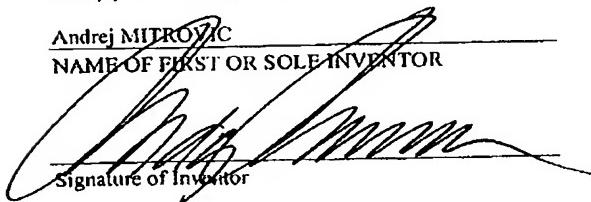
The Practitioners Associated With Customer Number  
22850

as our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to

The Address Associated With Customer Number  
22850

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Andrej MITROVIC  
NAME OF FIRST OR SOLE INVENTOR



Signature of Inventor

Date

10-22-2010

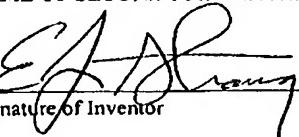
Residence: Phoenix, Arizona

Citizen of: United States

Mailing Address: 4720 E. Winston Drive, Phoenix,  
Arizona 85044

Eric J. STRANG

NAME OF SECOND JOINT INVENTOR

  
Signature of Inventor

Date

(OSMMN 09/2005)

10/22/2010

Residence: Chandler, Arizona

Citizen of: United States

Mailing Address: 1081 West Oriole Way, Chandler,  
Arizona 85248

DOCKET NO: 236518US26YA

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
ANDREJ S. MITROVIC : EXAMINER: AKASH SAXENA  
SERIAL NO: 10/673,138 :  
FILED: SEPTEMBER 30, 2003 : GROUP ART UNIT: 2128  
FOR: SYSTEM AND METHOD FOR :  
USING FIRST-PRINCIPLES  
SIMULATION TO FACILITATE A  
SEMICONDUCTOR MANUFACTURING  
PROCESS

CONSENT OF ASSIGNEE UNDER 37 C.F.R. §1.48(a)(5)

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

On behalf of the Assignee, Tokyo Electron Limited, I consent that Andrej  
MITROVIC should be added as an inventor of the above-mentioned invention.

Date: 10/22/2010 Signature: Tugral Yasar  
Name: Tugral Yasar  
Title: Vice President IP  
(On behalf of Tokyo Electron)

DOCKET NO: 236518US26YA

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
ANDREJ S. MITROVIC : EXAMINER: AKASH SAXENA  
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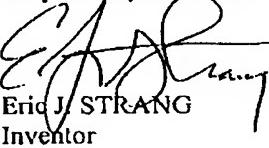
STATEMENT FROM THE INVENTOR UNDER 37 C.F.R. §1.48(b)(2)

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

I hereby state that I am a co-inventor of the above mentioned invention. The inventorship error occurred without deceptive intent on my part.

Respectfully submitted

  
Eric J. STRANG  
Inventor

Customer Number

22850

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(OSMMN 02/10)